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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

ATTY.'S DOCKET: BEER#4

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In re Application of:

I. BEER et al.

Appln. No.: 10/045,007

Filed: January 15, 2002

For: AUTOMATIC ABSTRACTION  
OF SOFTWARE SOURCE

Art Unit: 2641 JUN 12 2002

Examiner: Technology Center 2100

Washington, D.C.

March 20, 2002

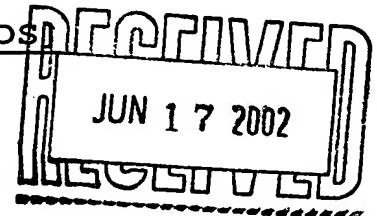
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INFORMATION DISCLOSURE STATEMENT [IDS]

Honorable Commissioner of Patents and Trademarks  
Washington, D.C. 20231



Sir :

This Information Disclosure Statement is submitted in accordance with 37 CFR §§1.97, 1.98, and it is requested that the information set forth in this statement and in the listed documents be considered during the pendency of the above-identified application, and any other application relying on the filing date of the above-identified application or cross-referencing it as a related application.

[X] 1. This IDS should be considered, in accordance with 37 CFR §1.97, as it is filed before the mailing date of a first office action on the merits.

[X] 2. In accordance with 37 CFR §1.98, this IDS includes a list (e.g., form PTO-1449) of all patents, publications, or other information submitted for consideration by the office, either incorporated into this IDS or as an attachment hereto. A copy of each document listed is attached.

SA

[X] 3. No explanation of relevance is necessary for documents in the English language (see reply to Comments 67 and 68 in the preamble to the final rules; 1135 OG 13 at 20).

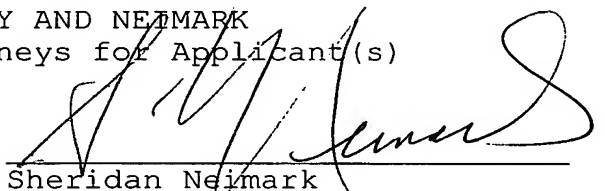
[ ] 4. Other information being provided for the examiner's consideration follows:

5. In accordance with 37 CFR §§1.97(g) and (h), the filing of this IDS should not be construed as a representation that a search has been made or that information cited is, or is considered to be, material to patentability as defined in §1.56 (b), or that any cited document listed or attached is (or constitutes) prior art. Unless otherwise indicated, the date of publication indicated for an item is taken from the face of the item and Applicant(s) reserves the right to prove that the date of publication is in fact different.

Respectfully submitted,

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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1

of 1

**Complete if Known**

Application Number	10/045,007
Filing Date	January 15, 2002
First Named Inventor	I. BEER et al.
Group Art Unit	2641
Examiner Name	
Attorney Docket Number	BEER=4

**OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
	AA	C. EISNER, "Model Checking SMV", IBM Haifa Research Laboratory, Matam Advanced Technology Center	
	AB	CLARKE et al., "Model Checking", Chapter 1, MIT Press (1999) pages 4-6	
	AC	BEER et al., "RulesBase: an Industry-Oriented Formal Verification Tool", Proceedings of the Design Automation Conference DAC'96 Las Vegas, Nevada 6 Pages, (1996)	
	AD	BEER et al., "The Temporal Logic Sugar", Proceedings of the Thirteenth International Conference on Computers Aided Verification 13 Pages, (2001)	
	AE	BEER et al., "On-The-Fly Model Checking of RCTL Formulas", Proceedings of the Tenth International Conference on Computer Aided Verification 11 Pages, (2001)	
	AF	CORBETT et al., "Bandera: Extracting Finite-State Models from Java Source Code", Proceedings of the 22 <sup>nd</sup> International Conference of Software Engineering, 10 Pages (2000)	
	AG	HOLZMANN, "Logic Verification of ANSI-C code with SPIN", Proceedings of the Seventh International SPIN workshop, page 224, (2000)	
	AH	HAVELUND et al., "Model Checking Java Programs Using Java Pathfinder", International Journal for Software Tools for Technology Transfer 17 Pages, (2000)	
	AI	ESPARZA et al., "Efficient Algorithms for Model Checking Pushdown Systems", Published in Proceedings of Twelfth International Conference on Computer Aided Verification, 16 Pages, (2000)	
	AJ	DEMARTINI et al., "Modeling and Validation of Java Multithreading Application using SPIN", Published in Proceedings of the Fourth International SPIN Workshop 15 Pages, (1998)	
	AK	HOLZMANN et al., "Software Modeling Checking: Extracting Verification Models from Source Code", Published in Proceedings of PSTV/FORTE99, 18 Pages, (1999)	
	AL	MCMILLAN, "Symbolic Model Checking", Kluwer Academic Publishers, Chapter 2, 3, Pages 11-30, (1993)	

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\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.